

GEOLOGICAL SURVEY SAYS ORE ON COMSTOCK

(From U. S. Geological Survey)

At certain periods in the long and diversified history of mining on the famous Comstock lode at Virginia City, the engineering problems of handling the treacherous floods of hot mine water and the problems involved in the struggle for the financial control of the mines have seemed to outweigh all others in determining whether the workings should be carried still deeper, but even more fundamental has been the geologic problem of the persistence of the ores with increase in depth. If the rich silver ores were deposited wholly or largely from solutions that ascended from sources far below the surface deeper exploration is fully warranted. If they owed their richness to the action of descending surface waters on ores that originally contained relatively little gold and silver, then there is little to encourage deeper mining. The steady progress in metallurgy, by which more and more metal is recovered from low grade gold and silver ores, has given large practical importance to the question of the persistence in depth of ores of this class. No thoughtful observer expects a revival of the golden and silver age of Comstock mining, for the tremendous fracturing which created the channels that made ore deposition possible was more extensive near the surface than at great depths. Nevertheless, the "roots" of an ore deposit so immense are by no means small, and the Comstock operators have in recent years shown their confidence in the existence of deep-lying bodies of workable ores by draining a large part of the lode to and below the 2900-foot level.

In spite of the detailed studies that have been made of the geology of the Comstock lode very little concrete, tangible evidence has been presented to show the variations in tenor or composition of the ores far below the surface, and little information has been available for comparing the results of primary deposit on with those of downward enrichment in the formation of the richer bodies of ore. Yet as downward enrichment has evidently been effective in many silver deposits a tacit belief in its potency at the Comstock lode seems to have become current among many geologists and mining engineers.

The early geologic work of King and Becker on the Comstock lode was done before the development of the theory of enrichment of ores through the agency of descending surface waters. Later observations have made only brief examinations of the lode, under conditions that were most trying because of the high temperatures in the mines. Finally, as most of the ores are fine grained, it has been impossible to determine the relations of their constituent minerals by observation with the unaided eye.

Recently E. S. Bastin, of the United States Geological Survey, department of the interior, has made a microscopic study of the Comstock ores and in his report published as the geological survey's bulletin 734-C, entitled "Bonanza

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SAYS PROSPERITY ON WAY FOR LANDER

The prediction that Lander county is in line for an era of prosperity was made by State Controller George Cole upon his return from Battle Mountain, where he had been for the past two days.

The Betty O'Neil mine, Cole stated, is now employing twenty-five or thirty men, and another 100 men will be at work within sixty days on the building of a new mill to treat the ore from this mine. The Betty O'Neil is approximately twelve miles from Battle Mountain.

At Copper Canyon operations were to be resumed today after a shut-down of a few weeks while the placer outfit was being moved from one claim of the Copper Canyon Company to another. Superintendent Charles LeKamp, formerly director of mine operations at Como, is in charge and is employing twenty-five men.

A new high school is being erected at Battle Mountain, according to the state controller, and other business in addition to mining is picking up considerably.

STOCK CONDITIONS ARE LOOKING UP

Renewed optimism has taken firm hold in Humboldt county stock circles, due in large part to the highly auspicious weather conditions that succeeded the long, hard winter and a degree of compensation is promised those who use the ranges of northern Nevada in the form of added forage resulting from the unusually heavy precipitation that occurred last winter, says The Silver State.

It is true that stock losses were heavy throughout all of the counties in the northern part of this state. Elko county stockmen add their complaints to those of Eureka, Lander, Humboldt, and Pershing, and the aggregate sum involved in the passing out of both sheep and cattle is considerable and will probably never be known accurately, even to the state livestock authorities. The heaviest losses suffered in Humboldt county have been reported from the districts bordering on the Oregon line. Many provident sheepmen went through the winter with the minimum of loss, a reward that issued from having good winter quarters and an amplitude of forage.

FORM LARGE SOUTHERN REAL ESTATE COMPANY

Charles G. Greene of Los Angeles was a Carson visitor today and filed articles of incorporation in the office of Secretary of State Brodigan for the National Land Value Guaranty Company. The incorporating fee was \$1000. The purpose of the company is to deal in real estate on a large scale in southern Nevada and the principal office will be at Las Vegas. In addition to Greene E. A. Luesley of Chicago and Oren Ruffcorn of Des Moines are the incorporators.

THE WEATHER

U. S. Department of Agriculture
C. F. Marvin, Chief
Reno, Nev., April 26, 1922.
For Nevada—Fair tonight and Thursday.

H. F. ALPS.

Observations taken today at 8 a. m., 57 meridian time. First figures, lowest temperature last night; second, highest yesterday; third, rain and melted snow past twenty-four hours. Amounts of precipitation of less than .001 inch are not published hereon.

Chicago	40	56	.12
Denver	40	54	.12
Fresno	48	82	0
Los Angeles	54	60	0
New York	52	66	0
Phoenix	56	80	0
Reno	40	71	0
Sacramento	46	74	0
Salt Lake City	48	66	0
San Francisco	46	52	0
Tonopah	44	66	0
Winnemucca	34	68	0

Hours of sunrise and sunset for April 27—Sunrise, 5:04 a. m.; sunset, 6:49 p. m.

MINE FIRE CAUSES LITTLE DAMAGE AT VIRGINIA

VIRGINIA CITY, April 26.—(Special to the Appeal).—Fire which was discovered on the 1650-foot level of the Con. Virginia mine late yesterday afternoon was extinguished before any great damage resulted.

The flames originated in an old stope, away from where work is being done, and the fire is believed to have been smoldering for a couple of days.

The fire was distinct from the big fire in the bonanza stope which has been smoldering since bonanza days. Smoke poured from the Ophir shaft in great volume, and it was at first believed by the management that the fire had reached greater proportions than was later found to be the case.

On this same level a fire in the bonanza stope is thought to have been started by spontaneous combustion many years ago. In 1886 men worked in this territory with the aid of plenty of water and fresh air, but until the last few years no work has been done since that time. Valuable ore bodies are known to exist in the big stope and many of the old fills are now made up of rich ore and charcoal.

COUNTERFEITER HELD IN CALIFORNIA CITY

After they are said to have succeeded in passing thirty spurious silver dollars on merchants of Coalfax, Placer county, three alleged counterfeiters were arrested there, the Journal says. Officers said the coins apparently had been moulded of lead in a plaster paris cast. The prisoners gave the names of J. L. Ruten, A. G. Cameron, and D. Dearth, and said they were from Columbus, Ohio.

It is the belief of Reno officials that the three men arrested in Coalfax, Cal., may be those who flooded Reno with spurious coins during the past week. The fact that the men could have left Reno and stopped at the California town very easily tends to strengthen their belief. It was the impression, however, that only one or possibly two men were connected with the counterfeiting in Reno although there may have been a confederate whose presence was unknown to the police and who left Reno with them Sunday night.

PITTMAN INTRODUCES NEW SENATE BILLS

The following bills have been introduced in the senate within the past few days by Senator Key Pittman of this state:

A bill (S. 3473) to amend section 2 of the United States warehouse act, approved August 11, 1916; to the committee on agriculture and forestry.

A bill (S. 3474) to establish a government Indian school at Elko, Nev.; to the committee on Indian affairs.

A bill (S. 3475) for the relief of Fannie E. Turner; to the committee on claims.

A bill (S. 3476) to amend an act to grant to citizens of Modoc county, Cal., the right to cut timber in the state of Nevada for agricultural, mining, or other domestic purposes, and to remove such timber to Modoc county, Cal.; to the committee on public lands and surveys.

PRESBYTERIANS HOLD BIG EASTER SOCIAL

As a result of the attendance of a record crowd at the annual Easter Social of the Presbyterian church last evening and the receipt of a large Easter offering the expense of installing the electric light system in the church will be almost met.

The large gathering at last night's social enjoyed a splendid program, social time and refreshments. The Sunday school orchestra under the direction of Mrs. M. J. Burr furnished music for the occasion. Kenneth Plummer sang a song, with Miss Annie Martin as accompanist; Mrs. W. E. Knippenberg delivered a recitation and Rev. J. L. Harvey sang several songs.

Very little work will be done in Carson City next Tuesday. Everybody's going to the Women's Auxiliary dance Monday night.—Adv't.

MANSLAUGHTER IS OAKLAND JURY VERDICT

OAKLAND, April 26.—(Special to the Appeal).—Jesuista D'Agostini, who has been on trial here for the murder of A. Postel, a merchant of Alameda, was today found guilty of a charge of manslaughter.

FORMER CARSON MAN DIES IN CALIFORNIA

T. Lacy Jones, well known mining man of Tonopah, received a message Saturday informing him of the death of his father, J. M. Jones which occurred in San Francisco that morning at the home of a daughter, Mrs. William Hogan, the Tonopah Bonanza says.

J. M. Jones was a pioneer of Nevada and located in Pioche in the early '70s. He was born in New York City 83 years ago, and fought with the Union army throughout the Civil war. After coming to Nevada and locating at Pioche, he later took up his residence at Candelaria, where he resided for a number of years and will be remembered by most of the early-day residents of that once booming mining camp.

At Candelaria he engaged in business and became active in politics being one of the leaders of the Republican party. He was a man of great intellect, and was termed in those days by his friends "the walking encyclopedia." He was one of the best read men in the state and at all times kept advised of the times as a result of his studious character.

In the early '90s, Mr. Jones removed to Carson City where he remained for a number of years, later taking up his residence at Tonopah and Goldfield. From there he removed to California, where he had resided ever since.

Deceased was a member of the Masonic lodge at Carson City and had been affiliated with the order for 57 years. He is survived by two sons: T. Lacy Jones, of Tonopah; R. M. Jones of Weed, Cal., and Mrs. William Hogan of San Francisco. T. Lacy Jones left Tonopah for the Coast in order to be present at the funeral of his father which took place this morning under the auspices of the Masons of that city.

WORK OR JAIL NEW VERDICT AT TONPAH

There is to be no more idleness in Tonopah with the easy-going element living off the earnings of fallen women, according to an edict issued Sunday night by Chief of Police O. H. Smith, to his deputies. Outside gamblers will also be cured and made to do manual labor, providing they frequent the restricted district. As a result of this edict issued by the chief of police, three men were lodged in the county jail upon the charge of vagrancy, and they will be given the privilege of shaking the dust of Tonopah from their feet or of helping to beautify the town. The men arrested were Sam Larson, Al Riverbank and Albert Minecio. Larson and Riverbank came into the limelight last week when they caused another mao to be arrested upon the charge of assault. Larson was arrested on the charge of interfering with an officer and paid a fine of \$50.—Tonopah Bonanza.

SAFETY DEVICE PLANS FOR MILLS CONSIDERED

Following a suggestion of the Appeal, a public hearing on safety regulations that will be put in effect in all ore reduction works and milling plants in the state by the Nevada industrial commission will be held at the Chamber of Commerce at Reno Thursday morning at ten o'clock. Mill superintendents from all parts of the state are expected to attend the meeting.

W. P. ASKS TO CLOSE OFFICE AT PRONTO

Permission to close its Pronto office has been asked from the Nevada public service commission by the Western Pacific Company. The station is between Winnemucca and Jungo.

SANTA MARIA IS FOUND WITH CREW

KEY WEST, Fla., April 26.—(Special to the Appeal).—The seaplane "Santa Maria," which was reported lost has been found. All passengers in the plane at the time of her disappearance are known to be safe.

SAYS FUEL AWAITED FOR ELY OPENING

Assurance that a sufficient supply of slack for a continuous run of its smelter is all that is being sought by the Nevada Consolidated Copper Company before resuming operations on a large scale at Ely, according to Attorney Charles Chandler of that place, who was in Carson yesterday.

Although a large number of the coal miners are out on strike in Utah, from which place the fuel supply is obtained at Ely, this strike would not affect the Nevada camp, as the fuel used is chiefly slack. This slack has accumulated at the coal mine dumps since the shut-down of copper mines several months ago.

The company is ready to blow in as soon as it makes certain that the supply of slack will be sufficient, Chandler stated.

The Ely company has ore reserves for the next twenty years, Chandler also reported. When operations were started at the White Pine county camp fifteen years ago, it was though the reserves would hold up for twelve years. In addition to running for fifteen years the district now has enough high grade ore in sight to insure operations for the next twenty years.

FORD IS UNHURT IN BIG SNOW SLIDE

Chalk up another for the Ford. R. Pierson, owner of an island in Mono Lake and now visiting in Minden, reports that in a big snowslide in the Mono Lake district a Ford was but little damaged, although it was in the path of the big slide.

Pierson is the owner of a goat farm on the island and is raising several hundred goats, some of which he considers too valuable to sell.

NEVADA POSTMASTER NOMINATIONS CONFIRMED

The executive nominations of Anna S. Michal and Emanuel Bollschweiler to be postmasters at Battle Mountain and Wells respectively were confirmed by the senate on April 18, according to word received from Washington.

REDUCES RATES

A reduced rate on shipments of carboline from Astor to California points has been filed with the public service commission by the Southern Pacific Company.

Gettin' all primed up for the Women's Auxiliary dance? Next Monday night, you know.—Adv't.

THE STOCK MARKET

Following is a list of today's sales as furnished by E. C. Smith & Company, stock brokers, 225 North Center street, Reno, Nevada.

Divide	
Divide—800 @ .78.	
Divide Con.—2000 @ .19.	
Lucky Boy—5000 @ .51.	
Sun Beam—6000 @ .06.	
Tonopah	
Midway—5000 @ .08.	
Halifax—2234 @ .20.	
Goldfields	
Silver Pick—11,000 @ .17; 2000 @ .18;	
1000 (B-30) @ .18.	
Comstock	
Con. Virginia—1200 @ .20.	
Hale & Norcross—200 @ .25; 1200 @ .20.	
Ophir—1000 @ .11; 9000 @ .10.	
Miscellaneous	
Simon Lead—500 @ .71; 600 @ .70;	
500 @ .69; 500 @ .68; 3300 @ .67; 4600 @ .69; 1000 @ .66.	
Simon Sterling—5000 @ .04.	
Hamilton—8000 @ .02.	
Gruss—2000 @ .05.	

MILLIONS OF BOGUS MONEY MADE HE SAYS

WASHINGTON, D. C., April 26.—(Special to the Appeal).—Congressman Johnson of South Dakota declared in the house today that the investigation which has been conducted of the bureau of engraving shows hundreds of millions of dollars in spurious certificates issued.

CONFERENCE RESUMED BY IRISH LEADERS

DUBLIN, April 26.—(Special to the Appeal).—Leaders of the contending Irish factions today resumed their conference, hoping to arrive at some sort of guarantee that would insure peace.

CARSON GUN CLUB TO ELECT OFFICERS

Officers will be elected and a general discussion of hunting will take place at a meeting next Wednesday night of the Carson City Gun Club in the building formerly occupied temporarily by county officers on South Carson street.

AMERICAN LEGION POST WILL DISTRIBUTE SEEDS

A quantity of vegetable seeds has been received by Capitol Post of the American Legion from the federal government and these seeds will be distributed free by Post Adjutant Robert Allen at the state engineer's office.

Next week will open promiscuously. Women's Auxiliary dance Monday night.—Adv't.

Grand Theater

TUESDAY AND WEDNESDAY
April 25 and 26

"What Everywoman Knows," with Conrad Nagel and Lois Wilson. A William DeMille production. Maude Adam's brilliant stage success, with its charm and humor and heart-touching pathos, transformed to a screen delight for both sexes and all ages. Christie Comedy, First National Kinegrams. 10c and 30c.

THURSDAY AND FRIDAY
April 27 and 28

"The Golden Trail with Jane Novak, Jack Livingston and a notable cast of players. Fearless Comedy, "Bride and Broom" This big special at regular admission. 10c and 30c.

SATURDAY
April 28

Madge Kennedy in "The Highest Bidder." Madge Kennedy, whose loveable personality comes right out of the screen to nestle in your heart, as at this theatre in her latest picture. It's a sparkling tale that shows Madge at her best.

"Hurricane Hutch," chapter three. 10c and 30c.

SUNDAY AND MONDAY
April 30 and May 1

Lionel Barrymore in "The Great Adventure." A First National picture. Hal Roach Comedy, Aesop Fables, and Pathe Review. 10c and 30c.

TUESDAY AND WEDNESDAY
May 2 and 3

Betty Compson in "At The End Of The World." A Paramount picture. Sennett Comedy, "Wedding Bells Out Of Tune." 10c and 30c.

THURSDAY AND FRIDAY
May 3 and 4

Harry Carey in "Man to Man." Full of whirlwind action, appealing romance and engrossing suspense. A terrific climax that will lift you out of your seat!

Century Comedy, "Table Steaks," featuring "Brownie" the Wonder Dog. 25c and 55c.

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